

**ODFW AQUATIC INVENTORY PROJECT**  
**OREGON PLAN FOR SALMON & WATERSHEDS**  
**STREAM RESTORATION HABITAT REPORT**

STREAM: Slide Creek (U-186)  
BASIN: South Umpqua River  
SURVEY TYPE: Post-Tx  
DATE: January 29, 2004  
SURVEY CREW: Michael Scheu, Jeremiah Bernier  
REPORT PREPARED BY: Paul Jacobsen  
BASIN AREA: 20.1 km<sup>2</sup>  
USGS MAPS: Dodson Butte  
ECOREGION: Coast Range Klamath Siskiyou

**GENERAL DESCRIPTION:**

The Slide Creek habitat survey extended 527 meters. The channel was alternately constrained by hillslopes and terraces in a broad valley floor. The average valley width index was 6.2 (range: 1.5-10.0). Land use for the reach was mature (50-90 cm dbh) trees. The average unit gradient was 1.2 percent. Riffles (40%) and scour pools (40%) dominated stream habitat. Gravel (65%) and sand (19%) dominated stream substrate. Wood volume was low at 16.7 m<sup>3</sup>/100m.

**COMMENTS:**

There were no potential barriers to upstream fish migration in the surveyed length.

The crew noted several habitat structures during the survey.

REACH 1

T28S-R04W-S35NW

REACH 1

**Valley and Channel Summary**

Valley Characteristics (Percent Reach Length)

<u>Narrow Valley Floor</u>		<u>Broad Valley Floor</u>	
Steep V-shape	0%	Constraining Terraces	100%
Moderate V-shape	0%	Multiple Terraces	0%
Open V-shape	0%	Wide Floodplain	0%
Valley Width Index	6.2	VWI Range:	1.5 - 10

Channel Morphology (Percent Reach Length)

<u>Constrained</u>		<u>Unconstrained</u>	
Hillslope	0%	Single Channel	0%
Bedrock	0%	Multiple Channel	0%
Terrace	0%	Braided Channel	0%
Alt. Terrace/Hill	100%		
Landuse	0%		

Channel Characteristics

<u>Type</u>	<u>Length (m)</u>	<u>Area (m2)</u>	<u>Dry Units</u>
Primary	527	2,361	0
Secondary	22	62	0

Channel Dimensions (m)

<u>Wetted</u>	<u>Active</u>	<u>Floodprone</u> n = 5	<u>First Terrace</u> n = 5
Width: 4.4	Width: 6.9	9.0 ( 6.5 - 10.9 )	11.8 ( 9.3 - 14.5 )
Depth: 0.61	Height: 0.6	1.2 ( 1 - 1.4 )	1.7 ( 1.3 - 2 )

W:D ratio: 12.0

Stream Flow Type: HF

Average Unit Gradient: 1.2%

Water temperature (°C): 8.0 - 8.0

Entrenchment (ACW:FPW ratio): 1.3

Habitat Units/100m (total channel length): 8.0

Habitat Units/100m (primary channel length): 8.4

**Riparian, Bank, and Wood Summary**

	<u>Primary</u>	<u>Secondary</u>
Land Use:	MT	
Riparian Vegetation:	M30	S

Bank Condition and Shade

<u>Bank Status</u>	<u>Percent Reach Length</u>	<u>Shade (% of 180)</u>
Actively Eroding:		Reach avg:
Undercut Banks:		Range: -

Large Wood Debris

	<u>Total</u>	<u>Total / 100m primary channel</u>
All pieces (>=3m x 0.15m):	74	14.0
Volume (m <sup>3</sup> ):	88	16.7
Key pieces (>=12m x 0.60m):	3	0.6

OREGON DEPARTMENT OF FISH AND WILDLIFE

SLIDE CREEK POST-TX (U-186)

HABITAT INVENTORY

Report Date: 6/16/2004

Survey Date:

1/29/2004

REACH 1

T28S-R04W-S35NW

REACH 1

HABITAT DETAIL

Habitat Type	Number Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Total Area (m <sup>2</sup> )	Large Boulders (#>0.5m)	Substrate Percent Wetted Area					
							S/O	Snd	Grvl	Cbl	Bldr	Bdrk
POOL-BACKWATER	3	22	2.8	0.50	62	0	35	63	2	0	0	0
POOL-DAMMED	3	40	5.2	0.90	207	0	3	48	32	0	0	17
POOL-LATERAL SCOUR	18	233	4.2	0.86	977	0	3	16	76	0	0	6
RAPID/BEDROCK	1	11	5.0	0.20	53	0	0	0	0	0	0	100
RAPID/BOULDERS	1	19	4.3	0.40	82	0	0	0	100	0	0	0
RIFFLE	13	210	4.5	0.39	980	0	2	10	83	1	0	4
STEP/BEDROCK	1	2	5.1	0.10	10	0	0	0	0	0	0	100
STEP/COBBLE	1	5	3.1	0.50	16	0	0	0	100	0	0	0
STEP/LOG	2	5	5.6	0.20	26	0	0	25	25	0	0	50
STEP/STRUCTURE	1	2	7.0	0.25	11	0	0	50	50	0	0	0
<b>Total:</b>	<b>44</b>	<b>548</b>	<b>4.4</b>	<b>0.61</b>	<b>2,423</b>	<b>0</b>	<b>Avg: 4</b>	<b>19</b>	<b>65</b>	<b>0</b>	<b>0</b>	<b>11</b>

HABITAT SUMMARY

Habitat Group	Number Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Wetted Area		Large Boulders	
					(m <sup>2</sup> )	Percent	Number	(# / 100m <sup>2</sup> )
Dammed & BW Pools	6	62	4.0	0.70	269	11.09%	0	0.0
Scour Pools	18	233	4.2	0.86	977	40.33%	0	0.0
Glides	0	0			0	0.00%	0	0.0
Riffles	13	210	4.5	0.39	980	40.47%	0	0.0
Rapids	2	30	4.7	0.30	134	5.54%	0	0.0
Cascades	0	0			0	0.00%	0	0.0
Step/Falls	5	13	5.3	0.25	62	2.57%	0	0.0
Dry	0	0			0	0.00%	0	0.0
Culverts	0	0			0	0.00%	0	0.0

POOL SUMMARY

	Total of all Channel Lengths		Primary Channel Length
	Total	# / Km	# / Km
All Pools:	24	43.8	45.6
Pools >=1m deep:	7	12.8	13.3
Complex pools (LWD pieces>=3):	5	9.1	9.5
Pool frequency (channel widths/pool):	3.3		
Residual pool depth (avg):	0.46		

# Comment Summary

## Oregon Plan Monitoring Sites 2002

**MONITORING AREA: 4-UMP      SITE ID: 186      SLIDE CREEK POST-TX (U-186)**

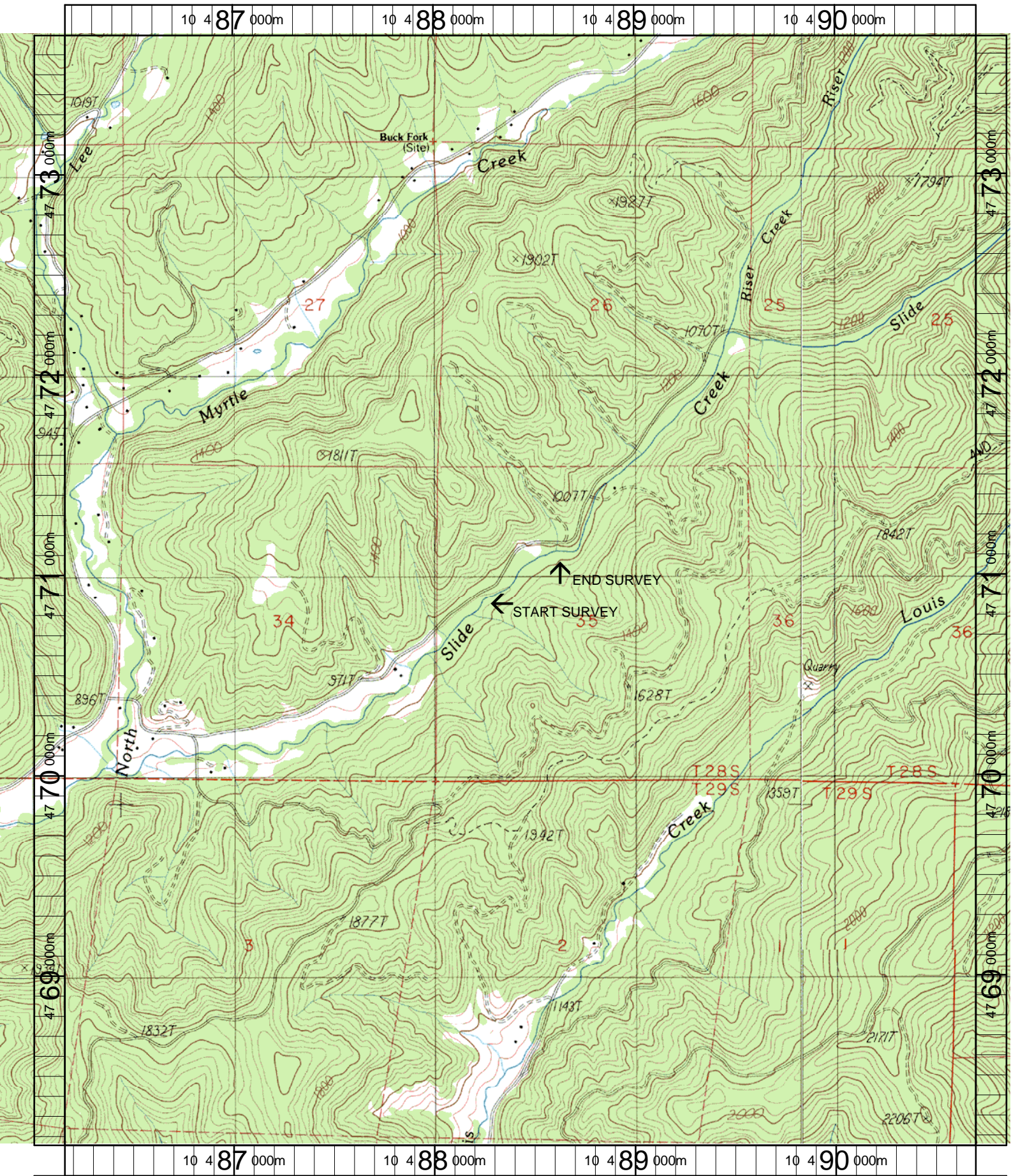
<u>UNIT#</u>	<u>TYPE</u>	<u>CHAN</u>	<u>DIST. (m)</u>	<u>COMMENTS</u>	<u>NOTE ESTIMATOR</u>	<u>NOTE NUMERATOR</u>
1	SR	00	2		H=1M; T=8C	
2	RR	00	12.5	HS	5 LOGS	
3	SL	00	14		H=0.6M	
5	LP	00	35.6	HS	1 LOG	
6	RI	00	47.8		SPAWNING GRAVEL=10	
7	LP	00	61.8	HS	3 LOGS	
8	RI	00	91.6	HS, LW	4 LOGS; SG=4	
9	SL	00	94.9	H=0.4M		
10	DP	00	107.2	HS	SG=4; 1 LOG	
11	RI	00	134.2	SG=10		
12	LP	00	147.2	BV; HS	3 LOGS; SG=4	
13	RI	00	161.5	BV	SG=4	
15	LP	00	182	HS; BV	3 LOGS	
16	RI	00	191.8	BV		
18	RI	00	219.5		SLIDE LWD 11/02; SG=15	
19	LP	00	232.5	BV		
20	RI	00	252.3	HS	1 LOG	
21	LP	00	274.2	HS; BV	1 LOG	
22	RI	00	285.2	BV		
23	LP	00	303.7	BV		
28	LP	00	351	BV HS; LA/	6 LOGS	

# Comment Summary

## Oregon Plan Monitoring Sites 2002

MONITORING AREA: 4-UMP    SITE ID: 186    SLIDE CREEK POST-TX (U-186)

UNIT#	TYPE	CHAN	DIST. (m)	COMMENTS	NOTE ESTIMATOR	NOTE NUMERATOR
29	SS	00	352.5	BV	H=0.45M	
30	DP	00	371.7	BV		
31	RI	00	393.4	HS; BV	2 LOGS; SG=8	
33	LP	00	430.8	BV		
34	LP	01	443.3	BV; HS	SG=4	
35	BW	10	443.3	BV	PINK 2 LOGS	
36	SC	00	448.3	BV		
39	RI	00	471.4	BV		
42	LP	00	508.7	HS	4 LOGS]	
43	RI	00	514.7	SS/		
44	LP	00	526.7	HS	1 LOG	



Name: DODSON BUTTE  
Date: 12/17/2003  
Scale: 1 inch equals 2000 feet

Location: 10 488426 E 4770926 N  
Caption: SLIDE CREEK RESTORATION SITE - S. UMPQUA BASIN